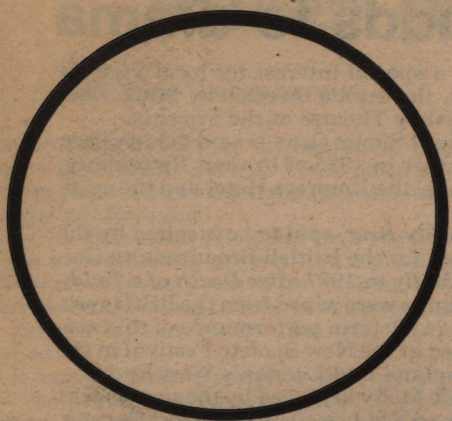




the Ring

"Give me books, fruit, French wine and, fine weather and a little music out of doors, played by somebody I do not know."

—John Keats (1795-1821)

University of Victoria

Volume 10, Number 10, March 23, 1984



Former Supreme Court Justice Thomas Berger was among those paying tribute to the late Walter Young at a memorial service attended by hundreds of friends last weekend at UVic. Among those who also spoke in memory of the well-known political scientist were B.C.'s Attorney-General Brian Smith, NDP leader Dave Barrett, and Victoria alderman Martin Levin, a former colleague of Young's in the UVic Political Science Department. Young, a renowned political scientist and political commentator, died March 10 after a lengthy illness.

China Summer Institute is another UVic first

UVic has established Canada's first Summer Institute for studies in China at East China Normal University (ECNU) in Shanghai.

UVic and ECNU have a special exchange relationship and are involved in several joint research projects in education.

The Institute is offering UVic credit courses in Chinese Language Studies from May 11 to June 29, and Education and Society in China from July 1 to August 21.

Educators, students and anyone interested in Chinese education, society or language can register for the Institute. Those not qualified to receive UVic credits can take the programs as non-credit students. All registrants will live in residence at ECNU.

"It's a marvellous deal for anyone interested in China," says Dr. Jan Walls, director of UVic's Centre for Pacific and Oriental Studies.

"We welcome people who wish to start at the beginning in the Mandarin language program," he said. "Those with a first-year or second-year university level of learning the language will be given a placement test upon arrival at ECNU and will be placed at the appropriate level."

The 20 Canadians chosen will attend classes at ECNU five days a week for seven weeks.

Cost of the language course, including tuition fees, return airfare from Vancouver to Shanghai, accommodation and meals in China, is \$2,650. Included in the cost are all ground transportation in China, entry fees to various institutions and exhibitions and all charges for interpreters and guides.

There is still some room for applicants for the language program. Full information is available from Sharon Alexander,

Education Extension at UVic, telephone (604) 721-7874. Registration deadline is April 10.

Cost of the Education and Society program is \$2,925. The deadline for applications is April 30.

Registrants who take both programs are charged \$3,700 and will stay at ECNU for 14 weeks, from May 11 to August 21.

The language program is a course in spoken and written Mandarin taught by ECNU professors. "UVic's Chinese Language Program has been operating successfully for three years at ECNU and we have complete confidence in the ECNU professors," said Walls.

The program in Education and Society was negotiated between ECNU officials and Dr. Ted Owen of UVic's Faculty of Education while he was in Shanghai in 1983.

The instructors are Chinese scholars and two UVic education professors, Dr. Brian Harvey and Dr. Honore France.

Lectures and discussions will be integrated with visits to schools and other educational institutions at all levels.

Along with the two UVic professors visiting ECNU for this program, seven other UVic representatives will be visiting ECNU at the same time for joint research projects.

Sponsored by the International Development Research Centre (IDRC) in Ottawa, Drs. Owen, Terry Johnson, Norma Mickelson, and Dick Williams from the Faculty of Education, Dr. Glen Farrell, director of University Extension and Don Stenton, senior lab instructor with the Physics Department, will be in Shanghai to participate with ECNU professors in a study of "Issues in Chinese Education".

It's go for \$16 million complex

UVic this week called for tenders for construction of a 120,000-square-foot Science and Engineering Complex to link the Cunningham and Elliott Buildings.

Tenders were called after UVic President Dr. Howard Petch received a letter from Dr. Patrick McGeer, Minister of Universities, Science and Communications, authorizing the action.

The provincial government has committed \$16 million to finance, construct and equip the complex.

Tenders will close May 10, 1984, and the building is expected to be ready for students in December of 1985. The Faculty of Engineering plans to admit 70 first-year and 40 second-year students in September of 1984, with classrooms and laboratories in alternative quarters until the complex is completed.

The Faculty of Engineering will occupy only about 40 per cent of the three-storey building. The Department of Biochemistry and Microbiology will move out of the huts into the new building and additional space in the new building will be provided for the Departments of Biology and Chemistry. In

addition, the Department of Physics will gain space now occupied by the Department of Biology.

Initial planning of the complex began in late 1979, but was delayed because of financial constraints. Working drawings were started in February of 1983, following the provincial government's approval for the building.

Fears had been expressed about the delay in final approval for construction of the building, vital to senior-level laboratory work in engineering.

Petch told the Board of Governors, meeting March 19, that Dr. Len Bruton, Dean of Engineering, believes it is possible to make temporary arrangements for senior-level students until the new building is ready for occupancy.

In the initial phase of the engineering program at UVic, about 300 students will be enrolled when it reaches a steady state. The Faculty of Engineering, beginning in September of this year, will offer programs leading to Bachelor of Engineering degrees in electrical engineering and computer engineering.

Residence rates go up by only 2.8 per cent

A modest increase of 2.8 per cent in the rates for UVic students in residence was approved March 19 by the Board of Governors (BOG).

For a single room in residence for the 1984-85 session, students will pay \$2,939, up \$81 from the 1983-84 rates. Students who share a double room will pay \$2,530, up \$70 from this year.

The rate for the May-June period this year is \$7.25 a day, up 2.3 per cent from 1983 while daily rates for the summer session period remains unchanged from 1983.

David Sinclair, chairman of the BOG's finance committee, said it is expected that the residences will operate on a break-even

basis with the modest rate increase. He pointed out that the increase leaves UVic residence rates "clearly at the lower end of the scale of university residences in Canada".

Trevor Matthews, Vice-President, Administration, explained that the budget for the residences for 1984-85, including the proposed rate hike, was presented to residence students at a meeting prior to the BOG meeting.

"We did get some positive feedback from the students. It was one of the happier meetings dealing with the budget that I've had this year."

The dynasty continues

The UVic Vikings' amazing dynasty continued in university basketball March 17 in Halifax with a fifth straight Canadian Interuniversity Athletic Union (CIAU) championship.

UVic downed the University of Brandon Bobcats 70-62 in the final game to extend a winning streak against Canadian university teams to 61 games.

For coach Ken Shields, each championship has been different and this one was "quite gratifying because we had eight new players in the lineup."

The Vikings started off slowly before a crowd of 6,247 at the Metro Centre in Halifax and Brandon took an early 4-0 lead. The Vikes tied it before the four-minute mark and maintained the lead throughout the game.

Guard Eli Pasquale scored 20 points and was named the game's most valuable player. Centre Greg Wiltjer netted 18 points and grabbed 14 rebounds. Forward Dave Sheehan also scored 18 points.

For Pasquale, the game marked the end

of an incredible university career. He was named Canada's male basketball player of the year earlier in the week and was named to the CIAU first all-star team along with Wiltjer. He is the lone Viking to play on all five CIAU championship teams.

Wiltjer had quite a week as well and was named the tournament's most valuable player.

Shields said that while Pasquale and Wiltjer, both national team members, played as well as expected, the play of the rest of the Vikings was excellent as well. Ken Larson, another national team member playing his last game as a Viking, sparked defensively and added eight points in the final. Phil Ohl made his usual solid contribution.

Along with Pasquale, Wiltjer, Larson, Sheehan and Ohl the 1983-84 CIAU champion Vikings are Cord Clements, John Munro, Clint Hamilton, Randy Steel, Quinn Groenhyde, Graham Taylor and Shawn Kalinovich.

Skelton play gets world premiere



Popular WHAT actor Bob MacDonald is featured in production of *The Paper Cage*

The world premiere of *The Paper Cage*, a play written by Uvic professor, writer and editor Robin Skelton (Creative Writing) and staged by the William Head Amateur Theatre Society, opened March 22 at William Head Institution in Metchosin.

Director of *The Paper Cage* is Bob McNiel, known to local theatregoers for his roles in previous WHAT productions and as director of the society's successful production last fall, *One Flew Over the Cuckoo's Nest*.

Performing the first stage production of *The Paper Cage* marks a new challenge for the WHAT society, which up to now has worked with well-known, popular scripts such as *The Birthday Party*, *Ten Little Indians*, *Dracula* and *Cuckoo's Nest*.

Skelton's play, about war, diplomacy and the human condition, is set in Carthage in 1945 after World War Two and flashes back to the same setting in Carthage and to Rome in 250 B.C. The flashbacks are experienced as hallucinations by a legal officer of the British army stationed in Carthage at the end of the war. In the hallucinations, he sees a Roman prisoner of war in early Carthage return to his home city seeking peace, to find that peace is an elusive state not truly wanted by those in power.

Skelton wrote *The Paper Cage* in the early 1950s, and revised it during the early 1960s. He says today:

"We have watched and suffered through wars in Korea, Vietnam, and Israel. We have learned much about the power of nationalist passions from events in the Middle East and Africa. The diplomatic mission of Regulus to Rome parallels in many ways a countless number of missions

performed by statesmen of our time. The little band of soldiers occupying Carthage at the close of the Second World War has had its successors in Cyprus and in Lebanon and in the Falklands. Even the lies and hypocrisy of the Roman Senators I have portrayed have been imitated by people of today. I feel suddenly as I have not felt before, it is a play for our own time."

Among the cast of 25 in *The Paper Cage* are Bob MacDonald, Charlie Whonnock, Randy Bell, Stewart Bell, and local actress Barbara Bickerton, who played Nurse Ratched in *Cuckoo's Nest*.

The WHAT society has been formed by inmates of William Head who began studying theatre in credit courses offered at the institution by Uvic. Many of the actors in this production are now registered in a History of Theatre course being offered through the Uvic program at William Head. They have gained experience and knowledge of the theatre in other WHAT and pre-WHAT productions and Uvic courses.

The play is being performed March 23, 24, 29, 30, 31 and April 5, 6, 7, 12, 13, and 14 at William Head. Curtain time is 7:15 p.m. and early arrival is recommended any time after the gates open at 6:15 p.m. Tickets, at \$6 for adults and \$4 for students and seniors, are available at McPherson Playhouse, Hillside Mall, and Triumph Trophies in Langford. Schools, seniors and other groups of 10 or more can take advantage of a special \$3 ticket rate.

Pianist performs Rhapsody in Blue

The brilliant classic *Rhapsody in Blue* by George Gershwin performed by Uvic School of Music faculty pianist Bruce Vogt is the featured work tonight at the concert of the University Wind Symphony in University Centre at 8 p.m.

The University Wind Symphony will be joined by the University Big Band, a 16-piece jazz ensemble directed by Gordon Clements in the *Rhapsody for Jazz band and Concert band* by Pat Williams.

This is the final concert of the season for the Wind Symphony, conducted by Jesse Read, and will end with a transcription for wind ensemble of *A Hero's Life* by Richard Strauss.

All the major concerts of the University Wind Symphony this season have been recorded, and selections from these concerts will be offered in an LP stereo record to be available in late April.

Victorian twist adds to drama

Intriguing character relationships and a special interest for local Victoria audiences distinguish the plot of *Molly*, the drama directed by Mitch Beer which opened March 22 in the Roger Bishop Theatre of the Phoenix.

When he wrote *Molly*, English playwright Simon Gray is said to have been influenced by the notorious English murder in 1935 of Francis Rattenbury, architect of the B.C. Parliament Buildings, the Empress Hotel and the original Crystal Gardens.

Gray wrote a play titled *Death of a Teddy Bear*, said to be inspired by the events surrounding Rattenbury's murder, for the British Broadcasting Corporation's TV teleplay series. He wrote *Molly* in 1977 after *Death of a Teddy Bear* and works by several other playwrights were wiped from the BBC tapes.

The Phoenix production is the premiere Victoria performance of this suspenseful drama which was first performed at the New Spoleto Festival in the United States, and later in Watford, England and London's West End.

In Beer's production, the part of the wife Molly is played by theatre student Teresa Norris, her ex-businessman husband Teddy is played by Mike Dobson, and Oliver, their chauffeur, is played by Eliot Smith. Roberta Conklin plays the maid, Andrew Ball plays the police inspector and Charles Andre the police constable.

Beer's interpretation of Gray's drama emphasizes the inevitability of events turning out as they did for the central figures when their characters are seen in a certain light. "What caused these events?" is the question asked, says Beer. "I see three people, all children in adult bodies, emphasize the childishness of their characters. Because of the way the play is set up, the end result is inevitable."

A graduate of McGill University, Beer is directing *Molly* for his thesis project for a Master's degree in Fine Arts. His directing credits include Robert Pinget's *Architric*, his own adaptation of Aristophanes' *Peace* and George F. Walker's *Beyond Mozambique*, which was called by *Monday* magazine, 'one of the best plays of 1981 in Victoria.'

Set designer for *Molly* is Ronald Fedoruk, costume designer is Irene Pieper and lighting designer is Graeme Huguet.

The play runs nightly at the Phoenix, except Sunday, at 8 p.m. through March 31. For reservations call the Phoenix Box Office at 721-8000. Tickets for adults are \$5.50 and students and seniors, Monday through Thursday, \$4.50.

Festival features scholarship concert

A four-day festival of concerts, lectures, and workshops featuring distinguished guests of international repute is being presented by the Uvic School of Music March 29 to April 1.

Many of the events are free and all are open to the public.

Entitled "Critic and Composer", the festival has as special guests Robert Commanday, music and dance critic of the *San Francisco Chronicle*; composer Kenneth Gaburo, professor of music at the University of Iowa; Professor Joseph Kerman, musicologist and critic, University of California, Berkeley; and Leopold Simoneau, O.C., internationally renowned tenor and director of the Advanced Opera Training Centre.

Each guest will be featured in lectures and workshops throughout the festival.

With the exception of the March 31 Chorus and Orchestra concert, which takes place in the University Centre Auditorium, all events occur in the Recital Hall of the Music Building.

Among the highlights is the scholarship concert at 8 p.m. on March 31, featuring the Uvic Chorus and Orchestra, under the direction of George Corwin, of the premiere of a new version of a work written by composer Rudolf Komorous.

Entitled *Vermilion Dust*, the composition is based on poems by Li Shang-yin, one of the great poets of the T'ang Dynasty. Li lived more than 1,200 years ago, yet his poetry reflects the same joys and sorrows experienced by modern society. Baritone Bernard Turgeon, head of the School's voice/opera section, is the soloist. Also pro-

grammed are Bruckner's *Psalm 150* for chorus and orchestra; *Suite for Orchestra, Op. 3* by Janacek; and Hindemith's *Apparebit Repentina Dies* for brass choir.

Admission is \$5 for adults with students and senior citizens receiving a \$2 discount. Proceeds from the concert will benefit a scholarship for outstanding Music students.

At 10:30 a.m. on April 1st, the four guests will review in a panel discussion the works performed in Saturday evening's concert.

Another feature event is the recital on March 29th at 8 p.m. by members of the school's performance faculty. The program, "Music of Four Ages," contains selections from the Baroque, Romantic, Classical, and 20th Century repertoire. Each composer represented on the program was also a critic, reflecting the festival's theme. Admission is \$4 for adults and \$2 for students and senior citizens.

Tickets for both events having an admission charge can be purchased from the School of Music (8:30 a.m.-4:30 p.m. weekdays) and the box offices at University Centre, Hillside Mall, and McPherson Theatre.

Free concerts occur at 12:30 p.m. on the Thursday, Friday, and Saturday. The first features outstanding performance students of the school. Original works by students in the composition program are scheduled for Friday's recital. Chamber music is slated for Saturday.

Graduate and undergraduate student papers dealing with the critical aspect of writing about music will be presented for critiques by Commanday and Kerman on the morning of March 31.

Downing receives award

Dr. John Downing, professor of psychological foundations in the Uvic Education Faculty, will be presented with the International Citation of Merit of the International Reading Association, at the World Congress on Reading in Hong Kong this summer.

Downing will be the ninth person to receive the international merit award from the association since 1968.

The International Reading Association, with approximately 60,000 members in 87 countries, is a professional organization of individuals concerned with the improvement of reading and the development of literacy.

One of Downing's latest achievements in the reading and literacy field is publication last month of a book which he co-edited, *Language Awareness and Learning to*

Read, by the Springer Series in Language and Communication of the Springer-Verlag Publishing Co. of New York.

The 384-page text contains an essay by Downing titled "Students' Perception of Reading: Insights from Research and Pedagogical Implications", and nine other articles which reflect the latest innovations in understanding the mental processes involved in speaking and reading written by an international group of experts in psychology, linguistics, psycholinguistics, and education.

"The result is a new frontier of research for reading specialists, and a challenge to educators to review conventional methods for teaching reading," state the publishers. Downing's co-author of the text is Renate Valtin of the Free University of Berlin.

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Pulsar points way to elusive gravity waves

By Tim Humphreys

In the universe according to theoretical physics, yet unproven phenomena such as black holes and gravity waves are postulated and sought after among a maze of mathematical formulae.

For UVic theoretical physicist Dr. Fred Cooperstock, who has been studying gravity and a possible proof of the existence of gravity waves for 10 years, none of these phenomena can be said to exist in the physical universe until proven by an event that can be accurately measured.

He is among those physicists who are unwilling to accept the concept of black holes, let alone their existence in reality, and is also unwilling to say outright that gravity waves exist, even after working on the problem for a decade.

"But if gravity waves don't exist, then there are some very serious problems for the theory of relativity," he adds.

The faith which he and many other physicists share in the strength and beauty of general relativity does lead him to the belief in the reality of gravitational radiation.

Much of what theoretical physicists predicted in the past has been proven, at least indirectly, by the tracks of tiny particles in giant atom smashers and particle accelerators like the TRIUMF facility (in which UVic is a partner) in Vancouver, but for gravity waves, Cooperstock has had to turn to astronomical events occurring on a vast scale tremendous distances away.

The existence of gravity waves was predicted by Einstein in what is called the quadrupole formula, part of his general theory of relativity. But the formula also predicted that gravity waves would be almost undetectable in the types of experiments that could be done on the surface of the earth.

Theoretically, a gravity wave is produced when an object changes shape or redistributes its mass in a non-spherical manner, explains Cooperstock. The wave moves through the gravitational field at a strength that is dependent on the type of event that produces it. The gravitational field is the force of gravity we all feel when we try to jump off the surface of the earth or send up a space shuttle. By contrast, the gravity wave is so weak it cannot be felt or even detected by any apparatus that we have been able to build to date.

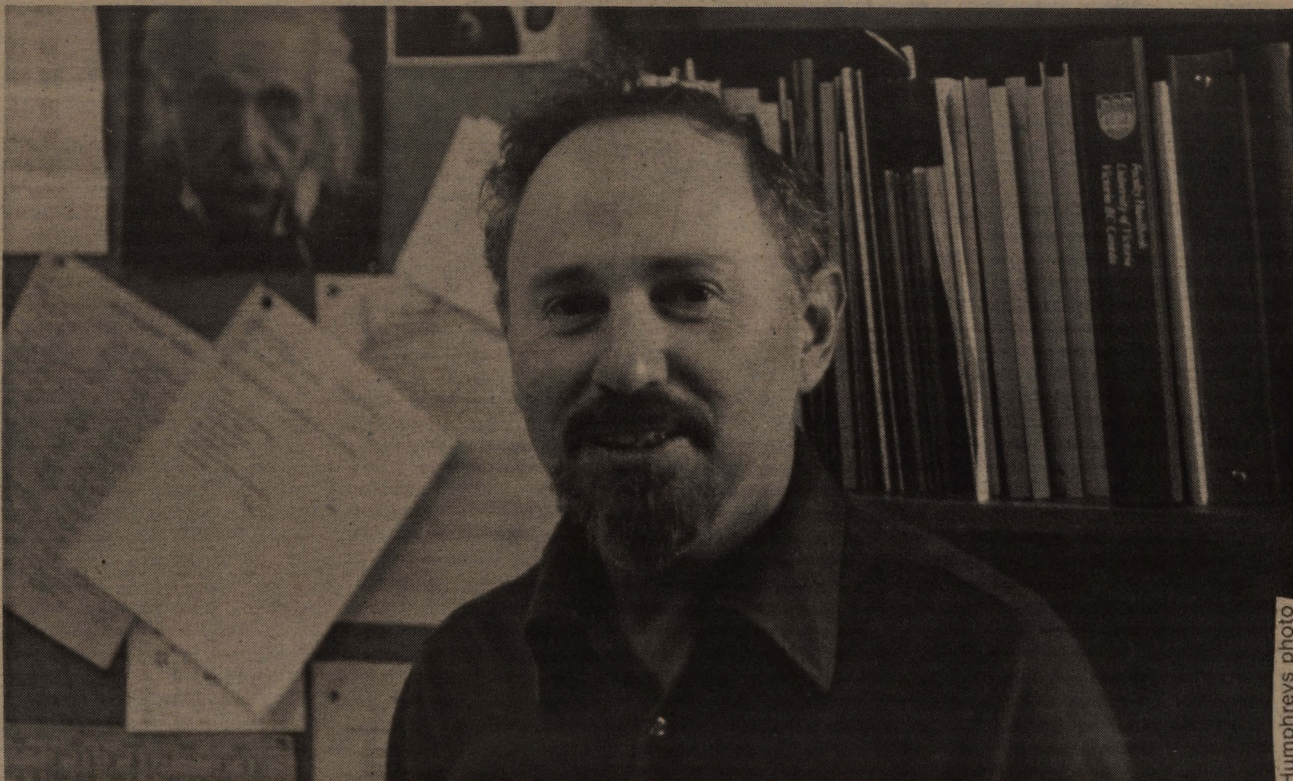
"Scientists have therefore turned to the astronomical scale for evidence, and may now have found it."

Even here the evidence is almost undetectable—a change in the orbital period of a binary star system of one ten-thousandth of a second in one year.

The system, designated PSR 1913+16, consists of two stars orbiting each other every eight hours. One is a pulsar about 1.4 times the mass of the sun, the other is invisible.

According to theory, the system should be a strong emitter of gravity waves, and the variation of the pulsar period provides an indirect proof of their existence.

General relativity theory suggests that the pulsar and its companion should gradually move closer together as energy is released in the form of gravity waves. As they move closer, their orbital period decreases. The decrease in the orbital period can be predicted by the quadrupole formula. If the observed results matched the quadrupole formula's predictions, it would provide the indirect evi-



Cooperstock: 'If gravity waves do not exist, there are some very serious problems for the theory of relativity'

dence. After thousands of observations, the observed results—a decrease in the orbital period of 0.000414 seconds in four years, or one ten-thousandth of a second per year—did agree with the theoretical results provided by the formula.

Unfortunately, the quadrupole formula itself had been shown to be wrong for some circumstances, something that had been warned about by Einstein himself and others working on general relativity.

"We had a very interesting situation—experimental evidence that seemed to agree with the quadrupole formula, and other evidence that the quadrupole formula was incorrect for certain systems", says Cooperstock.

With former graduate student and now post-doctoral fellow, Dr. Paul Lim, he decided that the formula itself needed further investigation.

"The work has reached a critical stage," says Cooperstock, and there may be some surprises in store.

Regardless of the outcome, it is vital for the confirmation of Einstein's theory of general relativity which, to the present time, has had only a very limited amount of experimental support. "We must find out the precise limits of the validity of the quadrupole formula", he says.

Whatever the results are, Cooperstock is not quite prepared to talk about them yet, except to say that they may be one more piece in the mathematical puzzle that is the theory of general relativity, and provide further insight into gravitational phenomena.

If gravity waves can be shown to exist, they promise to open up a new world to astronomy, and provide further

proof to physicists of the correctness of the theory of general relativity in explaining the way energy and matter interact.

Astronomers may benefit because all other radiation, such as light, radio waves, infra-red waves and x-rays, can only provide evidence about the surface of stars, galaxies and other phenomena.

Gravity waves, however, because they can pass through matter, may provide information about the internal structure of these phenomena.

Gravity waves, if found, may also settle the argument about the existence of black holes—cosmic phenomena whose gravitational field is theorized to be so strong that nothing can escape.

"I have real difficulty with accepting even the concept of black holes," says Cooperstock.

To exist, black holes must obey a completely different set of physical laws than those accepted for all other phenomena.

The evidence for black holes, which should show matter being swallowed up, is quite opposite. What is seen instead is vast amounts of matter being shot away from these places. Nothing has been found to date that convinces him of their existence.

Both phenomena are theories right now, but there is a far greater chance that gravity waves will be proven first, and they may then provide evidence to explain what is really happening at those points where so-called black holes are said to exist.

Deans join forces for research project

By Donna Danylchuk

A project aimed at giving physically handicapped non-vocal children a chance to communicate with the world will be started early this summer by the new Faculty of Engineering at UVic and the neuropsychology group of the Department of Psychology, in co-operation with the Queen Alexandra Hospital for Children.

The Loyal Orange Lodge in Victoria is donating \$15,000 towards the innovative biomedical research project, and the two faculties involved will each provide \$10,000.

"To our knowledge, this kind of project has not been done before," says neuropsychologist Dr. Louis Costa, Dean of Social Sciences at UVic. "It could be of great importance to a good number of children with severe motor handicaps who have cognitive ability—some may be very bright, but they can't communicate well."

Costa explains that the children who could be helped by the project now attempt to communicate through the use of Bliss Symbols which they attempt to point to when they are displayed on a board. The act of pointing is very difficult for some children suffering from cerebral palsy or from lack of motor control caused by brain

damage, and the difficulty they experience can dampen their enthusiasm when they are being taught to communicate.

It seems most sensible, instead of presenting Bliss Symbols to the children on a board or in a book, to present them on a computer screen with a moving cursor, says Costa. A child could stop the cursor at the symbol wanted and could call up symbols without having to point or turn pages.

The possibilities and spin-offs that could occur from development of such a program are "tremendously exciting", says the neuropsychologist. "It would provide opportunities for neuropsychologists, nurses and other medical people to communicate more effectively with the children. And it could maybe bring about realization of a long-range fantasy in which the kids could communicate with each other on the same computer network."

In the initial stages of the program, two or three children will be involved in what Costa explains will be a demonstration project to assess the feasibility of the research. It will be necessary to design a system appropriate for each child, with devices that children with different handicaps can use when working with a computer. This could mean building devices which are sensitive to vocal responses, gross physical movements or eye movements.

The idea to go ahead with such a project came about following a visit to Queen Alexandra Hospital by Dean of Engineering Dr. Len Bruton, who met with hospital Executive Director Gerry Fisher. Bruton was investigating the possibility of introducing biomedical engineering research in the Engineering Faculty.

"It would be clear to anyone in electrical engineering or a computer scientist that a great deal could be done for children at the hospital through study and use of the technology," says Bruton.

"It is not difficult to come up with the machines, but it is difficult to actually provide the children with something that they would want to use as well as something helpful to them."

Bruton approached Costa to find out if a joint project could be developed between Engineering and the UVic neuropsychology group, which has gained a worldwide reputation for its research and work with brain-damaged children and adults. They began to draw up a "medical wishing list" of the types of innovations that would be useful to the children.

"This project is one of many such ventures in which the special skills available within the Faculty of Engineering can be used in the field of biomedical engineering. The project is typical of opportunities that exist to apply modern technology for the

enhancement of the quality of life of our citizens," says Bruton.

Fisher says, "having the new Faculty of Engineering in Victoria offers tremendous potential to youngsters with handicapping conditions. With research skills in electronics, computer engineering and robotics, the faculty is in an excellent position to work with hospitals in British Columbia to establish a reputation for excellence in biomedical research."

"We are also deeply grateful to the Loyal Orange Lodge in Victoria for their donation of \$15,000 for the hospital's share in the project and the cost of the equipment. As a result of their generosity, many youngsters presently unable to communicate will have the opportunity to explore new horizons," he adds.

During the project, equal emphasis will be given to the development of special purpose computer systems and the instructional and cognitive rehabilitation strategies appropriate for severely handicapped children. As much as possible, available hardware will be utilized.

Target date for the start of the project is early July. A post-doctoral fellow in neuropsychology from UVic, a speech pathologist and other medical personnel from Queen Alexandra Hospital, and research engineers from the Faculty of Engineering will be involved.

Calendar

Monday, March 26th.

Maltwood Art Museum and Gallery. Dept. of Visual Arts Graduating Exhibits. Continues with rotating exhibits until May 2. Gallery hours are 10 a.m. to 4 p.m. Monday to Friday, 12 noon to 4 p.m. Sunday, and during evening events at the University Centre Auditorium. McPherson Library Gallery. Drawings by Don Harvey. Continues until March 31. Library hours are 8 a.m. to 11 p.m. Monday to Thursday, 8 a.m. to 9 p.m. Friday, 10 a.m. to 10 p.m. Saturday and Sunday.

12:30 p.m. *The Actor's Nightmare* by Christopher Durang—the Theatre Department's second of two free lunchtime plays this spring. Directed by Daniel Gill. Continues until March 30. Barbara McIntyre Studio, PHOENIX BUILDING.

4:00 p.m. to 8:00 p.m. Medical Related Research Colloquium presented by the Office of Research Administration, UVic, and the Victoria Medical Research Foundation. Senate & Board Room, University Centre.

7:15 p.m. & 9:15 p.m. Cinecenta films. *Yol* (Swiss/Turkish 1982). Turkish with subtitles. Admission charge. SUB Theatre.

8:00 p.m. *Molly* by Simon Gray, presented by the Theatre Dept. Directed by Mitch Beer. Continues nightly until March 31. Roger Bishop Theatre, PHOENIX BUILDING. School of Music Degree Recital—Barbara Pilling, viola (M.Mus.). No admission charge. MUSIC BUILDING, RECITAL HALL.

Tuesday, March 27th.

12:30 p.m. Tuesdaymusic. Free noonhour recital featuring School of Music students. MUSIC BUILDING, RECITAL HALL.

The AMS Solidarity Committee presents the film *Elements of Survival: Food*. SUB Theatre.

1:00 p.m. Lansdowne Lecture Series. Prof. John Swan, Faculty of Law, University of Toronto, will speak on "The Canadian Constitution, Federalism and the Conflict of Laws." Free and open to the public. BEGB 158.

Wednesday, March 28th.

1:30 p.m. The Baha'i Club presents Larry

Trunkey speaking on "The Importance of Education." CLER D128.

7:00 p.m. The Animal Rights Society presents *The Animals Film*, narrated by Julie Christie. No admission charge. MACL A144.

Seminar presented by the Dept. of Physics. Dr. David Farmer, IOS,

7:15 p.m. Cinecenta films. *La Vie Continue* (France 1982). Subtitles. Admission charge. SUB Theatre.

7:15 p.m. & 9:15 p.m. Cinecenta films. *La Vie Continue* (France 1982). Subtitles. Admission charge. SUB Theatre.

7:30 p.m. The Faculty of Law presents its third annual "Information Evening," with Dean Lyman R. Robinson, Garry Charlton, Admissions Officer, and Law students discussing Law admissions. Question period will follow (coffee provided). BEGB 159. The Begbie Bldg. will also be "open to view." The Linguistics Circle presents Craig Dixon/Judy Nylvek (Linguistics) speaking on "The Use of Microcomputers for Speech Processing and Display"/"Methods of Dialectology." CLER C305.

Thursday, March 29th.

9:30 a.m. Lansdowne Lecture Series. Robert Commanday, Music and Dance Critic, *San Francisco Chronicle*, will speak on "Music Criticism's Many Voices." Free and open to the public. RECITAL HALL, MACL MUSIC WING.

12:30 p.m. Seminar presented by the Dept. of Biology. Dr. A. Baker, Royal Ontario Museum, will speak on "Microevolution of Bird" (tent.). CUNN 146.

Seminar presented by the Dept. of English. Prof. Lorraine Weir, UBC, will speak on "The Aesthetic of Pain in Contemporary Women's Literature." CLER C112.

1:30 p.m. Seminar presented by the Dept. of Chemistry. Dr. Keith R. Dixon (Chemistry) will speak on "Phosphorus-31 NMR in Coordination Compounds and Clusters." ELLI 162. will speak on "Influence of Bubbles on Ambient Noise in the Ocean." ELLI 061.

3:00 p.m. Lansdowne Lecture Series. Leopold Simoneau, Director of the Advanced Opera Training centre,

Victoria, will speak on "The Performers' Attitude Toward Criticism." Free and open to the public. RECITAL HALL, MACL MUSIC WING.

7:15 p.m. Cinecenta films. *Singin' in the Rain*. Admission charge. SUB Theatre.

9:15 p.m. & 8:00 p.m. Chamber Music Series. "Music of Four Ages." Tickets are \$4 for Adults, \$2 for Students, Senior Citizens and the Disabled. MUSIC BUILDING, RECITAL HALL.

Friday, March 30th.

9:30 a.m. Lansdowne Lecture Series. Joseph Kerman, Professor of Music, Dept. of Music, University of California, Berkeley, will speak on "Musicology, Criticism and Nineteenth Century Music." Free and open to the public. MUSIC BUILDING, RECITAL HALL.

12:30 p.m. Fridaymusic. Free noonhour recital featuring works by School of Music students in composition program. MUSIC BUILDING, RECITAL HALL.

7:15 p.m. & 9:15 p.m. Cinecenta films. *Brainstorm*. Admission charge. SUB Theatre.

Saturday, March 31st.

12:30 p.m. School of Music Ensemble Recital. MUSIC BUILDING, RECITAL HALL.

3:00 p.m. Lansdowne Lecture Series. Robert Commanday (see above) will speak on "You and the Press and the Music: Amateur and Professional Music Critics." Free and open to the public. RECITAL HALL, MACL MUSIC WING.

7:15 p.m. & 9:15 p.m. Cinecenta films. *Educating Rita*. Admission charge. SUB Theatre.

8:00 p.m. University of Victoria Chorus and Orchestra—George Corwin, conductor. Tickets are \$5 for Adults, \$3 for Students, Senior Citizens and the Disabled. University Centre Auditorium.

Sunday, April 1st.

McPherson Library Gallery. *Paintings by Barry Szekely*. Continues until April 8.

10:30 a.m. School of Music panel discussion, with special guests Robert Commanday, Joseph Kerman, Leopold Simoneau, and Kenneth Gaburo. MUSIC BUILDING, RECITAL HALL.

7:15 p.m. Cinecenta films. *Born in Flames*. & Admission charge. SUB Theatre. 9:15 p.m.

Monday, April 2nd.

12:30 p.m. Seminar presented by the Dept. of Biology. Dr. R.P. Pharis, University of Calgary, will speak on "Recent Developments on the Role of Gibberellins in Woody Plant Growth and Differentiation Processes." CUNN 146.

7:15 p.m. & 9:15 p.m. Cinecenta films. *Born in Flames*. Admission charge. SUB Theatre.

7:30 p.m. Lansdowne Lecture Series. Pierre-Jacques Courtois, Professor of Computer Science, Philips Research Laboratory, Louvain University, Brussels, Belgium, will speak on "Time and Space Relations in Complex Structures." Free and open to the public. CLER A306.

8:00 p.m. School of Music Degree Recital—Dawn Whaley, clarinet (M.Mus.). No admission charge. MUSIC BUILDING, RECITAL HALL.

Tuesday, April 3rd.

12:30 p.m. Tuesdaymusic. Free noonhour recital featuring School of Music Students. MUSIC BUILDING, RECITAL HALL.

2:30 p.m. to 4:30 p.m. Pierre-Jacques Courtois, Lansdowne Lecturer (see above) will speak on "Decomposability and Aggregation as Tools for the Analysis of Large-Scale Models." CLER B145. (This topic will also be presented Apr. 4 & 5 in CLER C108, same time.)

Wednesday, April 4th.

7:00 p.m. The Animal Rights Society presents *The Animals Film*, narrated by Julie Christie. No admission charge. MACL A144.

7:00 p.m. & 9:30 p.m. Cinecenta films. *La Nuit De Varannes* (France 1982). Subtitles. Admission charge. SUB Theatre.

7:30 p.m. Senate meets. Senate & Board Room, University Centre.

8:00 p.m. School of Music Degree Recital—Jose Augusto Molina, violin (B.Mus.). No admission charge. MUSIC BUILDING, RECITAL HALL.

Fingers

The 1984 UVic graduating class is honoring a friend to students by rewriting the class constitution to allocate \$1,000 a year for the next 20 years for the establishment of the **Nels Granewall** Bursary Fund. "The details of how and when the bursaries will be distributed have yet to be worked out, but the graduating class wants the fund to be self-perpetuating," says **Brian Stevenson**, Alma Mater Society President. "The \$1,000 a year would be the minimum and any class of individuals who wish to contribute more can do so." Stevenson said the graduating class decided to name the bursary fund for Granewall, manager of Student Financial Aid Services, because of his continuing concern for students. "After working closely with Nels over the past year, I have nothing but praise for his efforts on behalf of students," said Stevenson.

The Alliance to Defend Education (ADE) is asking UVic staff and faculty to participate in the distribution of brochures throughout the community on the effects of cutbacks at UVic. Staff, students and faculty are also being asked to obtain signatures on postcards to **Premier Bill Bennett** asking for no further cuts and for reinstatement of student grants under the B.C. Student Aid Program. ADE has organized a two-day blitz of community shopping malls and the downtown area, with students meeting in front of the Student Union Building (SUB) today at 12:30 p.m. Students are being organized through department Course Unions. Staff and faculty are asked to meet March 24 at 10:30 a.m. at the SUB to pick up materials and be assigned to areas of the community.

Blame it on a programming error. Faculty and staff who contributed to the United Way Campaign through payroll deductions may have discovered that the amount contributed, which is listed on their T4 slips, is illegible because it was printed over another entry. There is no cause for alarm, say **Joan Thomson** (Personnel) and **Peter Darling** (Supply and Technical Services), co-chairmen of the campus campaign. The federal government has been advised of the amount of the contribution for tax purposes. If an employee knows how much he or she contributed, they can simply enter that amount on their tax forms as the tax department can verify it. If an employee is not sure of the amount contributed to the United Way, he or she can call Thomson at local 8090 to find out. Thomson and Darling assure donors that the error will not be repeated in 1985.

Two people with UVic connections are among those participating in the Lenten Noon Forum, Wednesdays from 12:10 to 12:50 p.m. at St. John's Church at 1611 Quadra Street. **Dr. George Ghanotakis** (Environmental Studies) and **Dr. Marlowe Anderson** of Chaplains Services are speaking in the series titled "Risking in an Uncertain World". Ghanotakis speaks March 28 on "Values at Risk in a Technological Age" while Anderson speaks April 5 on "Risk to Life: Pornography and Violence". **Jim Cruikshank**, newly-appointed Dean of Christ Church Cathedral, Vancouver, winds up the series with a discussion titled "Risking Faith and Justice", April 11. Other speakers in the series have been **Dr. Donald Grayston**, rector of All Saints' Church in Burnaby; **Bishop Remi de Roo** of Victoria and **Sister Bede Sullivan** of Victoria.

The Faculty of Law is holding its third annual "Information Evening", March 28 at 7:30 p.m. in Begbie 159 to discuss law admissions. Speakers include **Dean Lyman R. Robinson**, admissions officer **Garry Charlton** and law students. A question period will follow. The Begbie Building will be "open to view".

Federal funding for post-secondary education and policies that Parliament should adopt to ensure the money is passed onto students and universities will be the subject of a task force to be headed by former CBC president **Al Johnson**. Secretary of State **Serge Joyal** announced the appointment of Johnson Feb. 24.



The winning team of UVic law students Christopher Matthews and Megan Swail hold the Malcolm MacIntyre Memorial Trophy, won at the Western Canada Mock Trial Competition held March 9 and 10 at the University of Manitoba. Coached by law professor Andrew Pirie, right, Matthews and Swail, acting for the prosecution, were the only team of six competing to obtain a conviction before the jury during the competition. This is the third time a UVic team has taken the trophy.